U.S. Department
of Transportation
**Research and
Special Programs
Administration**

400 Seventh St., S.W.
Washington, D.C. 20590

**IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE NUMBER USA/0352/S, REVISION 4**

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency[1] and the United States of America[2] for the transport of radioactive materials.

1. Source Identification - Isotope Products Laboratories (IPL) Model 295.

2. Source Description - The source described by this certificate is a welded encapsulation of Type 304 or 304L stainless steel, with a minimum wall thickness of 0.24 mm (0.010"). It is in the form of an annulus wiith an outside diameter of 29.97 mm (1.18"), an inside diameter of 17.78 mm (0.7") and a thickness of 2.67 mm (0.105"). Construction must be in accordance with IPL Drawing Number A-4004 (attached).

3. Radioactive Contents - This source consists of not more than 5.55 GBq (0.15 Ci) of Am-241 as americium oxide in ceramic form.

4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 209 of the IAEA regulations[1] shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors and consignees in the United States exporting or importing shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.

5. Expiration Date - This certificate expires August 31, 2005.

This certificate is issued in accordance with paragraph 703 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the petition and information dated February 15, 2000 submitted by Isotope Products Laboratories, Burbank, CA, and in consideration of other information on file in this Office.

Certified by:

Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

AUG - 9 2000
(DATE)

Revision 4 - Issued to update to 1985 IAEA standards and to extend the expiration date.

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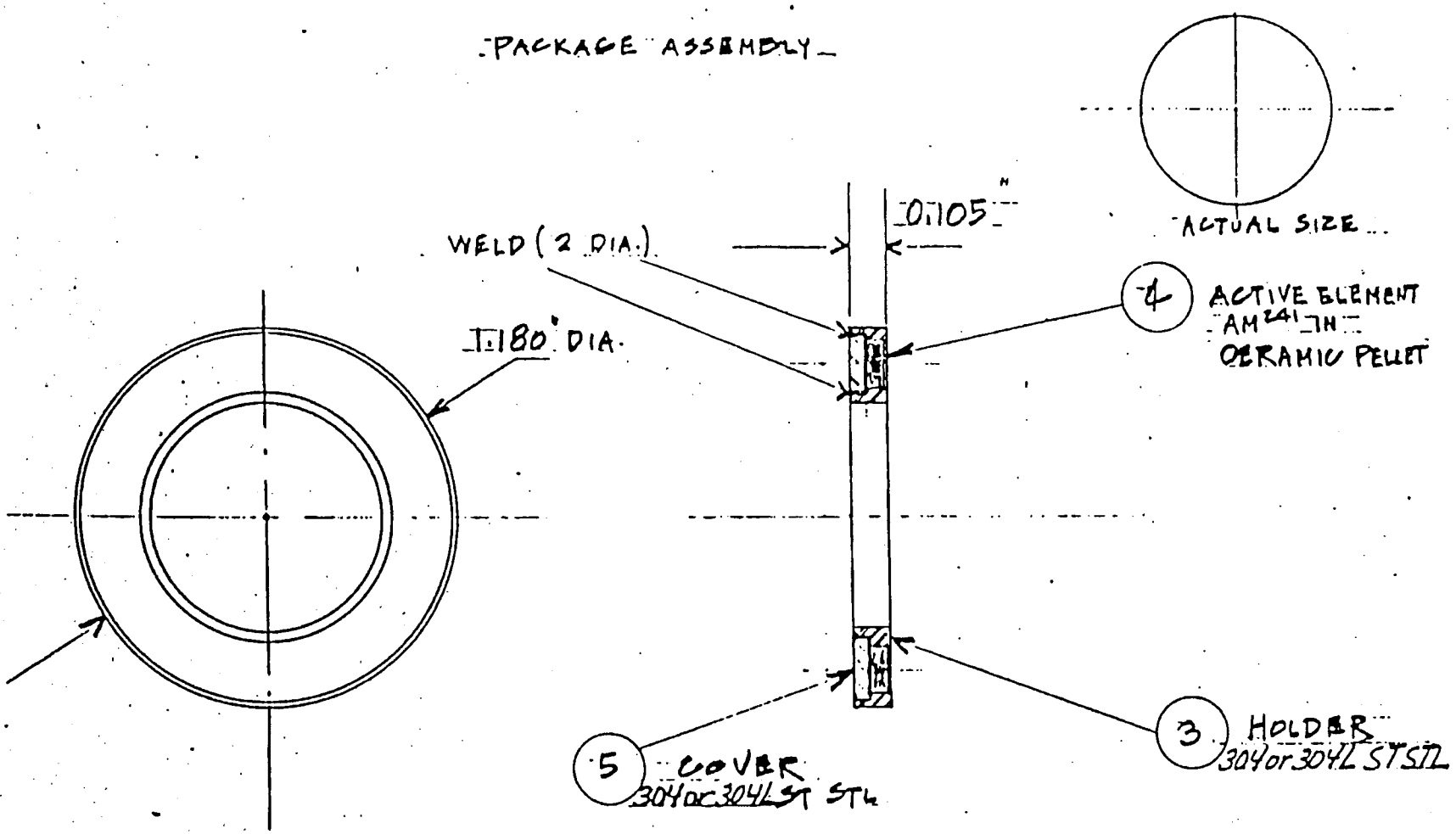
1 "Safety Series No. 6, Regulations for the Safe Transport of Radioactive Materials, 1985 Edition, as amended 1990" , published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

2 Title 49, Code of Federal Regulations, Parts 100 - 199, United States of America.

PACKAGE ASSEMBLY



ISOTOPE PRODUCTS LAB

APPROVED BY	DATE
ENG. ERW	3-30-87
QUALITY ASSURANCE	3/31/87
PRODUCTION	3/30/87

DECEMBER 1989

ISOTOPE PRODUCTS LABORATORIES
BURBANK, CALIFORNIA 91504

DRAWING TITLE: ASSEMBLY MODEL 295 CAPSULE		SCALE: 2 TO 1
SERIES TITLE: XRF ANNULAR SOURCES		CHECKED BY:
DRAWN BY: A.DEXTER	DRAWING NUMBER: A-4004	REVISION: A